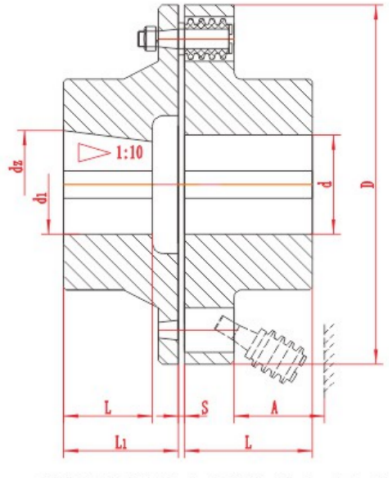
ENGLISH DIMENSIONAL CATALOGUE

Pin bush coupling size chart

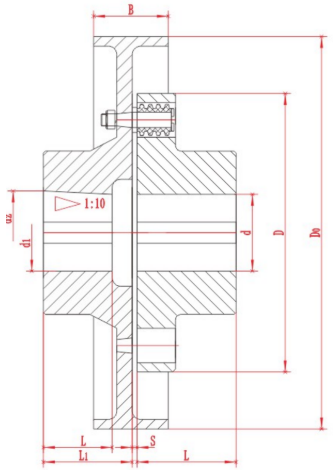
TL and TLL flexible sleeve pin couplings

Use this catalogue to compare the published dimensions of RONGXING DRIVE TL and TLL models. Match the selected row to its assembly drawing, shaft interfaces and duty. Dimensions are in mm unless another unit is stated.

TL - sleeve pin layout



TLL - layout with brake drum



Source assembly drawings. Dimension symbols belong to the relevant series; the figures are not manufacturing drawings.

Prepare a selection enquiry: power or operating torque; speed; peak loads and duty cycle; both shaft diameters and keyways; installed length and available access; expected movement and environment.

Use for preliminary comparison. Confirm final model, dimensions, materials and operating suitability before ordering, manufacture or installation. Source: RONGXING DRIVE Chinese catalogue, printed pages 46-47.

MODEL-SPECIFIC TECHNICAL DATA

TL dimensions and ratings

All dimensions in mm. Tn: nominal torque in N·m. [n]: permissible speed in r/min. Mass in kg.

Model	Tn N·m	[n] r/min	Bore d / d1 / d2	Bore length L1	Bore length L	D	S	A	Mass kg
TL1	6.3	8800	9 - 14	20 - 32	14 - 20	71	3	18	1.2
TL2	16	7600	12 - 19	32 - 42	20 - 42	80	3	18	1.8
TL3	31.5	6300	16 - 25	42 - 62	30 - 62	95	4	35	2.0
TL4	63	5700	20 - 32	52 - 82	38 - 82	106	4	35	2.4
TL5	125	4600	25 - 40	62 - 112	44 - 112	130	5	45	8.5
TL6	250	3800	32 - 50	82 - 112	60 - 112	160	5	45	11
TL7	500	3600	40 - 65	112 - 142	84 - 142	190	5	45	16
TL8	710	3000	45 - 80	112 - 172	84 - 172	224	6	65	26
TL9	1000	2850	50 - 85	112 - 172	84 - 172	250	6	65	32
TL10	2000	2300	63 - 120	142 - 212	107 - 212	315	8	80	68
TL11	4000	1800	80 - 140	172 - 252	132 - 252	400	10	100	125
TL12	8000	1450	100 - 180	212 - 302	167 - 302	475	12	130	220
TL13	16000	1150	120 - 220	212 - 352	167 - 352	600	14	180	430

Drawing notes: d, d1 and d2 identify the bore forms shown. The source groups TL bore lengths under Y/J/J1/Z and provides separate L1 and L columns. Confirm the required shaft and bore form; these length columns are not interchangeable.

D, S and A must be read from the TL drawing. Retain the access dimension marked A. The source note limits the listed bore-form arrangements and requires a structural check for J/Z forms. Series maxima belong to different rows and are not simultaneous operating ratings.

MODEL-SPECIFIC TECHNICAL DATA

TLL dimensions and ratings

All dimensions in mm. Tn: nominal torque in N·m. [n]: permissible speed in r/min. Mass in kg.

Model	Tn N·m	[n] r/min	Bore d / d1 / d2	Y bore length L	J/Z bore length L1	D0	B	D	S	A	Mass kg
TLL1	125	3800	25 - 35	62 - 82	44 - 82	200	85	130	5	45	10
TLL2	250	3000	32 - 42	82 - 112	60 - 112	250	105	160	5	45	16
TLL3	500	2400	40 - 48	112	84 - 112	315	132	190	5	45	30
TLL4	710	2400	45 - 63	112 - 142	84 - 142	315	132	224	6	65	40
TLL5	1000	2400	50 - 71	112 - 142	84 - 142	315	168	250	6	65	48
TLL6	2000	1900	63 - 95	142 - 172	107 - 172	400	168	315	8	80	94
TLL7	4000	1500	80 - 110	172 - 212	132 - 212	500	210	400	10	100	130
TLL8	8000	1200	100 - 130	212 - 252	167 - 252	630	265	475	12	130	310
TLL9	16000	1000	120 - 170	212 - 302	167 - 302	710	298	600	14	180	580

Drawing notes: D0 and B describe the brake-drum envelope shown. Compare bore length L for Y type with L1 for J/Z type using the selected shaft form. D, S and A remain drawing-specific dimensions.

Replacement parts: a shaft-bore size does not establish the pin thread, shoulder dimensions or bush size. Confirm the complete model, pin geometry, sleeve dimensions, material and specified hardware from the approved assembly and parts drawings.

Selection: check torque, speed, shaft fit, installed dimensions and maintenance access together. TL/TLL data does not establish interchangeability with other coupling series. Confirm final technical details with RONGXING DRIVE.